Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032620\
Data File : VX015359.D
Acq On : 26 Mar 2020 15:29
Operator : JC/SP
Sample : L1981-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId :

Quant Time: Mar 27 07:50:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 26 02:31:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	4.98	128	196774	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.84	114	1105446	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.10	117	983120	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.04	65	469164	30.51	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 101.70%				
60) 4-Bromofluorobenzene	11.12	95	507947	30.19	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 100.63%				
63) Toluene-d8	8.70	98	1287068	30.81	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 102.70%				
Target Compounds							Qvalue
8) Diethyl Ether	2.17	74	7046	1.149	ug/l		71
13) Acrolein	2.35	56	679	0.333	ug/l		86
15) Acetone	2.42	58	11660	6.832	ug/l		92
18) Methylene Chloride	2.84	84	4087	0.340	ug/l		95
23) tert-Butyl Alcohol	3.01	59	39147	11.857	ug/l	#	98
30) 2-Butanone	4.64	43	3009	0.302	ug/l	#	81
45) 1,4-Dioxane	7.73	88	2091	6.512	ug/l		87
48) t-1,3-Dichloropropene	9.03	75	5622	0.262	ug/l		99
64) Chlorobenzene	10.12	112	114741	3.584	ug/l		97
67) m/p-Xylenes	10.34	106	5268	0.245	ug/l		92
83) 1,3-Dichlorobenzene	12.01	146	8851	0.329	ug/l		90
84) 1,4-Dichlorobenzene	12.08	146	17157	0.638	ug/l		91
89) 1,2,4-Trichlorobenzene	13.63	180	18624	0.880	ug/l		99
90) Hexachlorobutadiene	13.76	225	7120	0.639	ug/l		96
91) Naphthalene	13.82	128	39720	0.648	ug/l	#	95

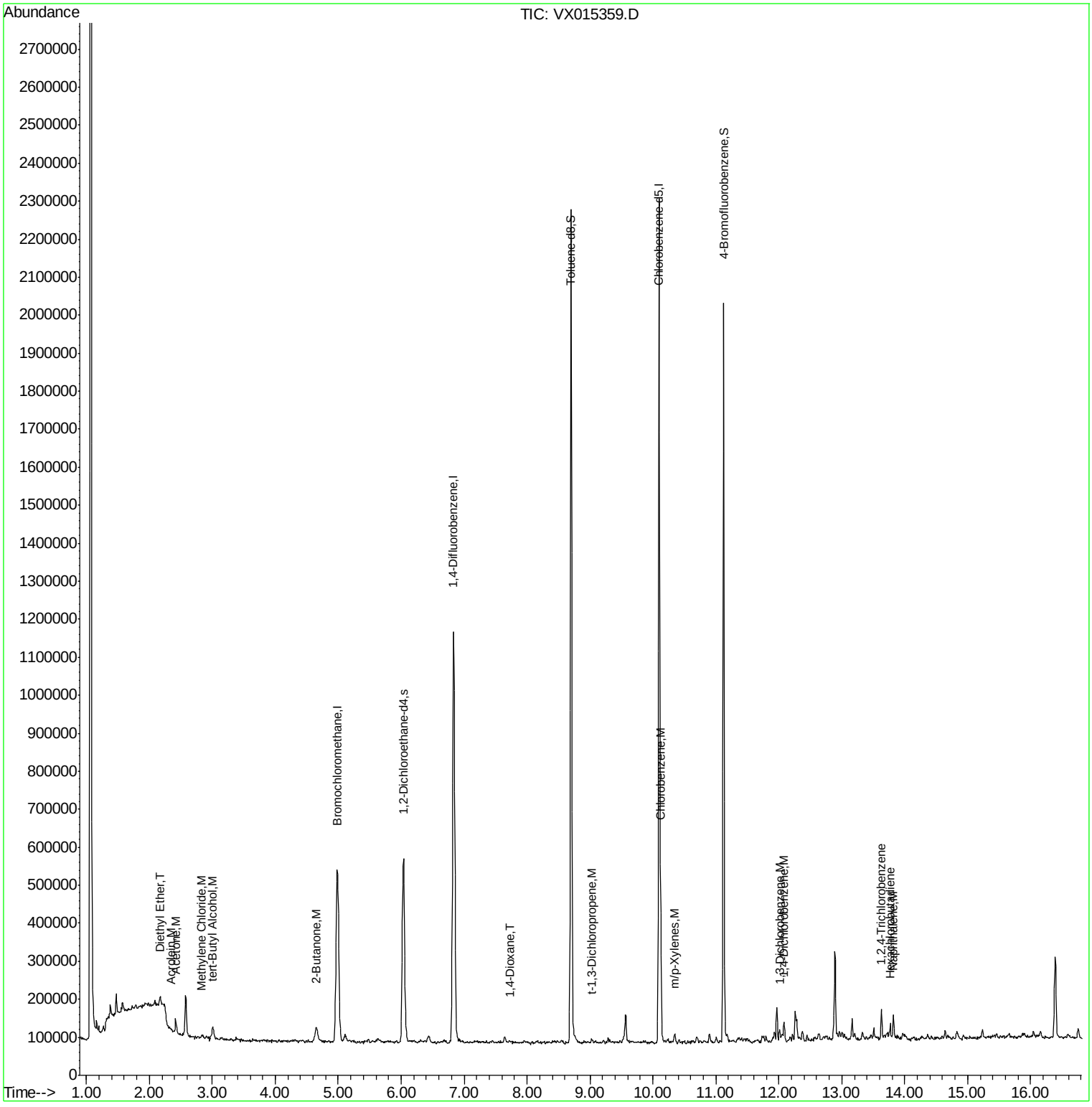
(#) = qualifier out of range (m) = manual integration (+) = signals summed

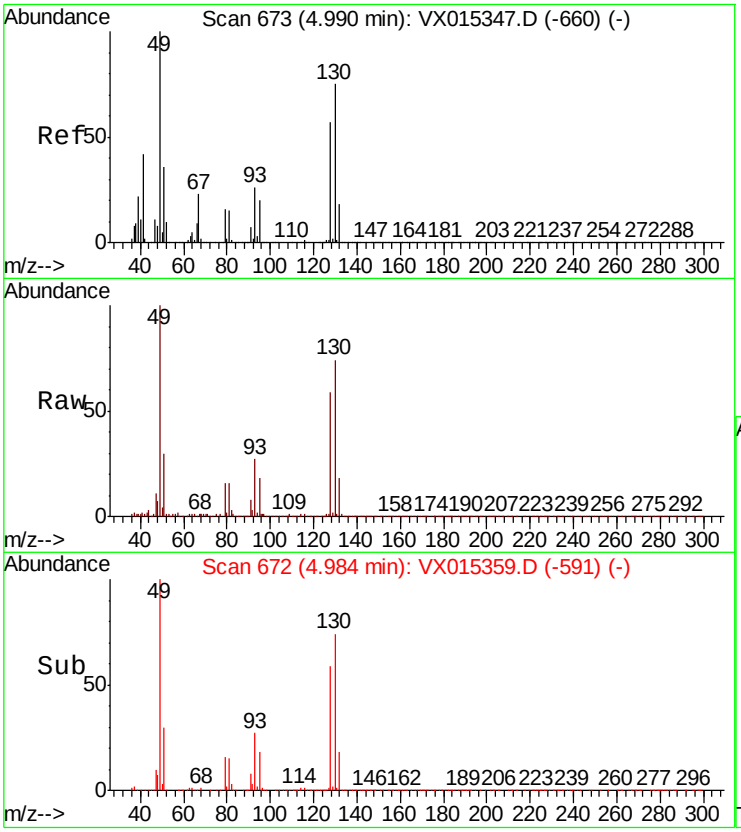
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032620\
Data File : VX015359.D
Acq On : 26 Mar 2020 15:29
Operator : JC/SP
Sample : L1981-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 27 07:50:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 26 02:31:53 2020
Response via : Initial Calibration



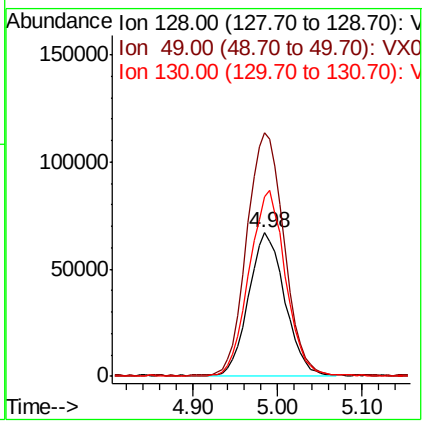


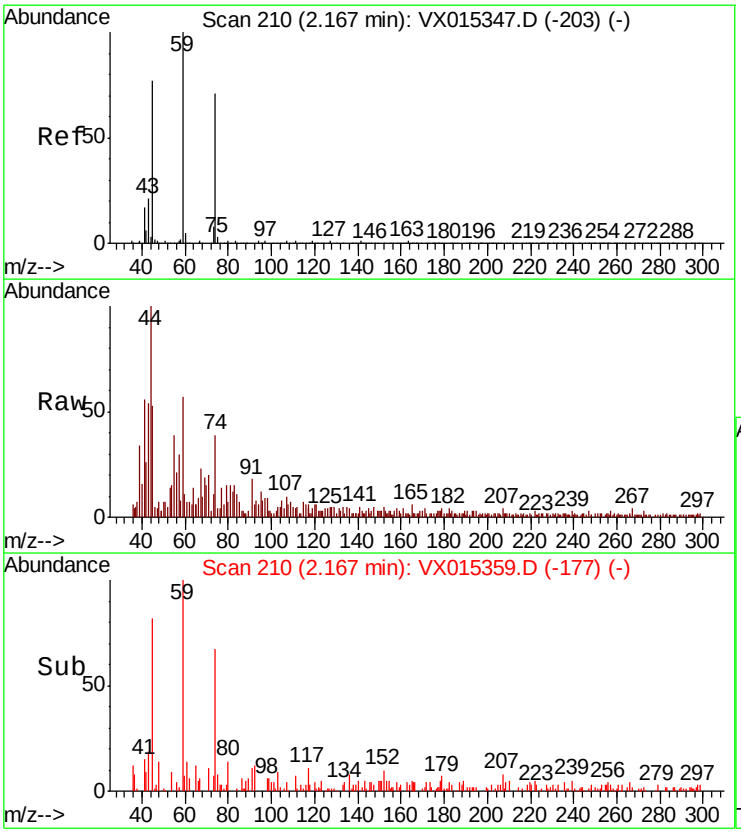
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.98 min Scan# 672
Delta R.T. -0.01 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 196774

Ion	Ratio	Lower	Upper
128	100		
49	173.8	0.0	428.0
130	129.7	0.0	324.5

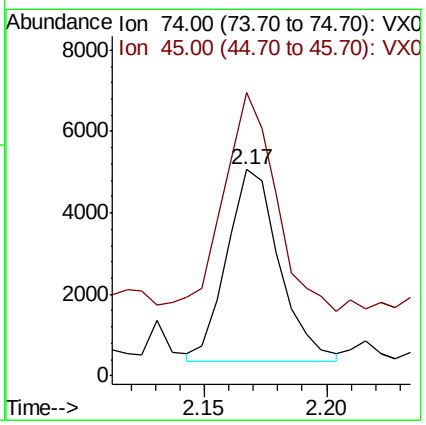


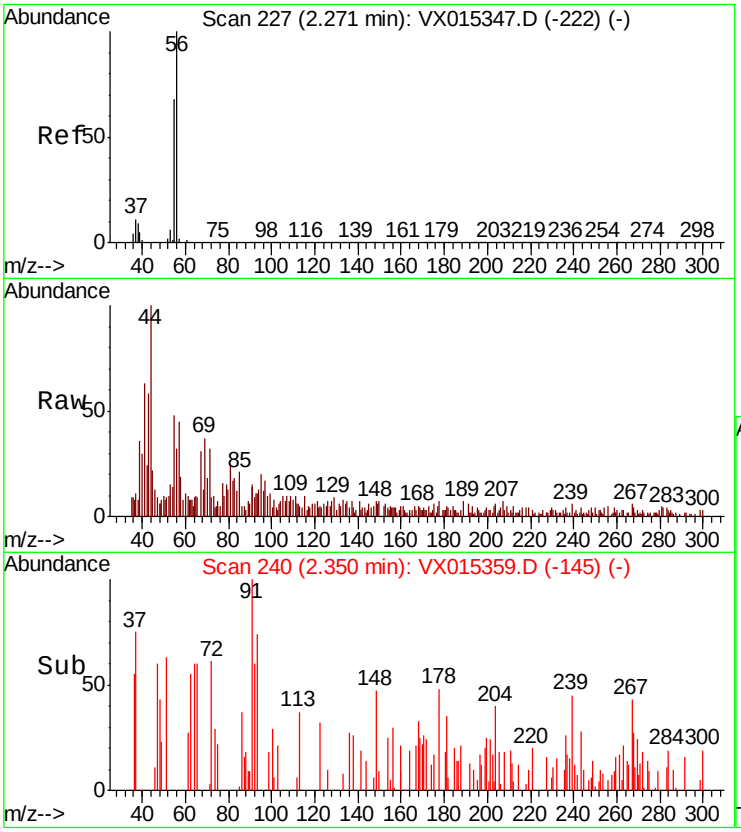


#8
Diethyl Ether
Concen: 1.149 ug/l
RT: 2.17 min Scan# 210
Delta R.T. -0.00 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Tgt Ion: 74 Resp: 7046

Ion	Ratio	Lower	Upper
74	100		
45	139.5	21.8	196.4



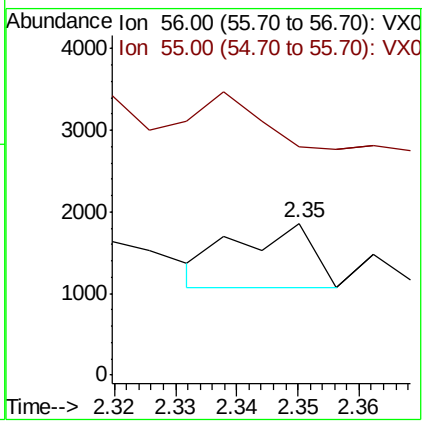


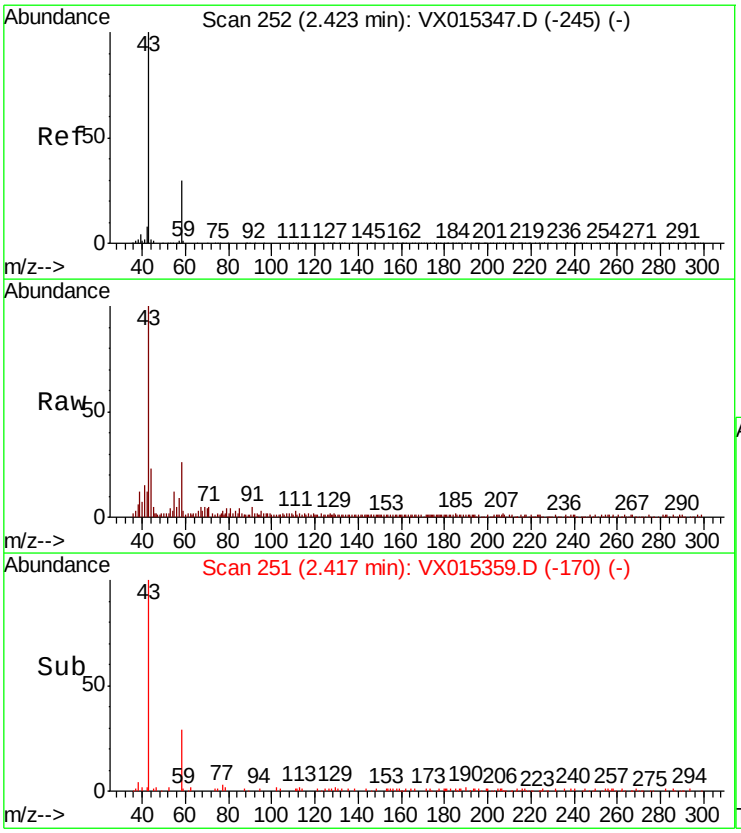
#13
Acrolein
Concen: 0.333 ug/l
RT: 2.35 min Scan# 240
Delta R.T. 0.08 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Instrument : MSVOA_X
ClientSampleId :

Tgt Ion: 56 Resp: 679

Ion	Ratio	Lower	Upper
56	100		
55	77.9	53.5	80.3

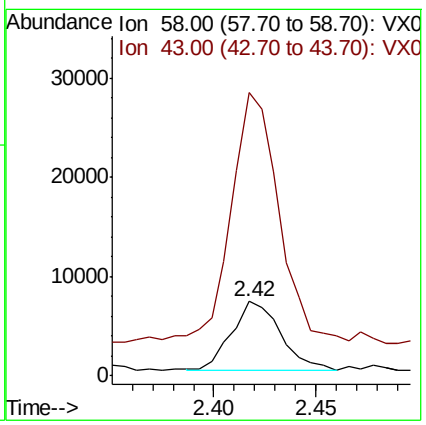


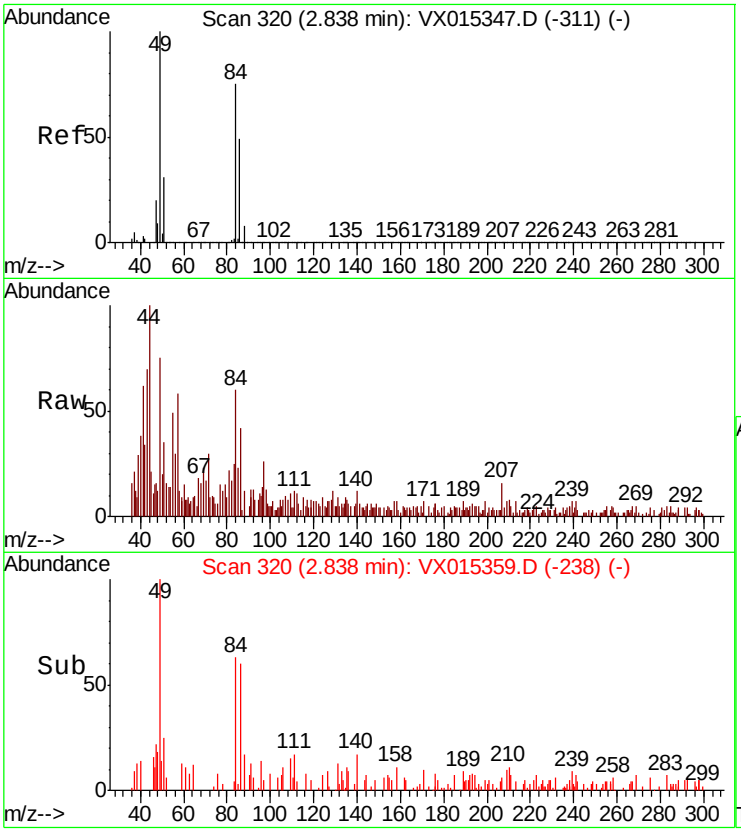


#15
Acetone
Concen: 6.832 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.01 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Tgt Ion: 58 Resp: 11660

Ion	Ratio	Lower	Upper
58	100		
43	352.5	267.8	401.8



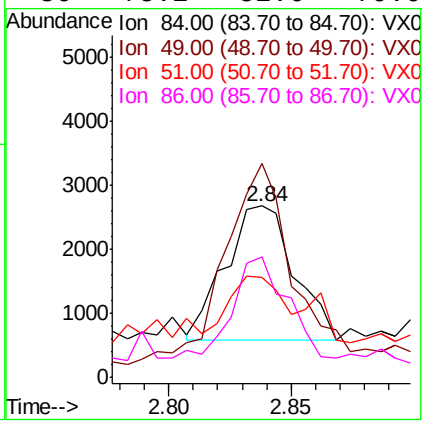


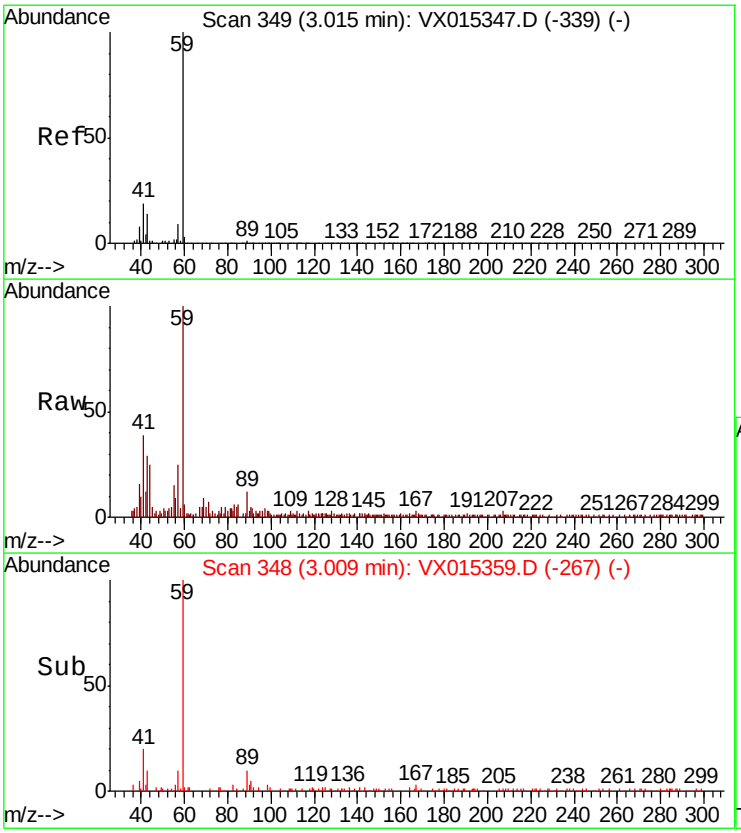
#18
Methylene Chloride
Concen: 0.340 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.00 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 84 Resp: 4087

Ion	Ratio	Lower	Upper
84	100		
49	133.9	107.0	160.4
51	47.0	33.4	50.0
86	75.2	52.6	79.0

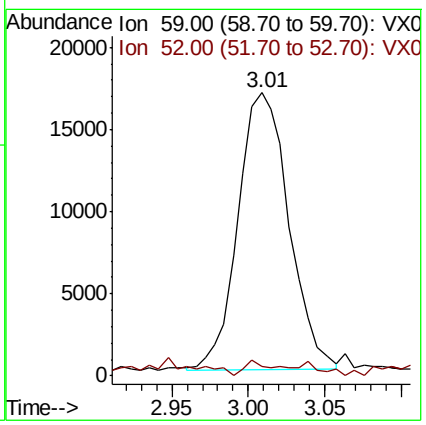


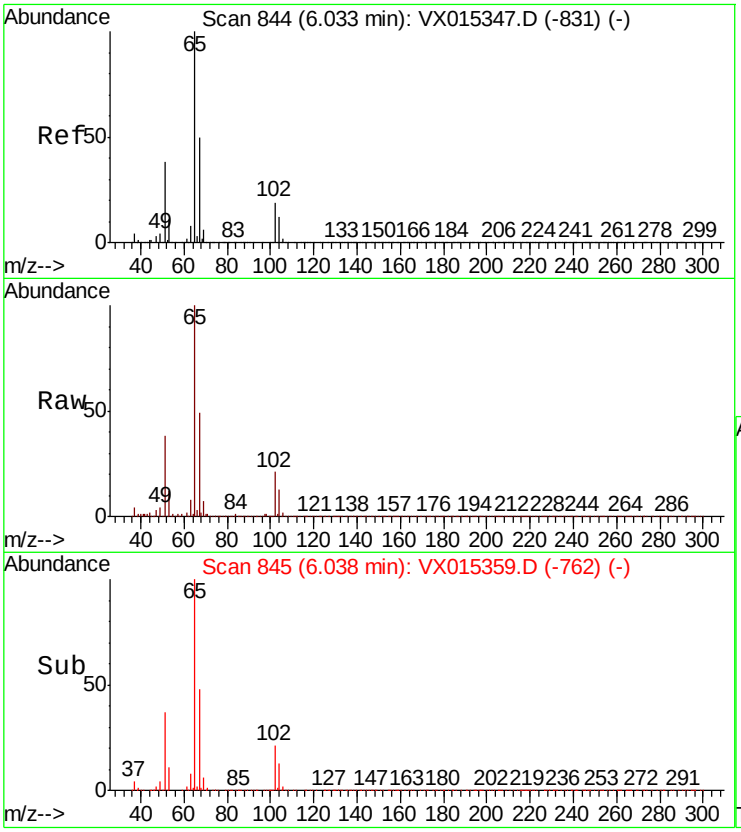


#23
tert-Butyl Alcohol
Concen: 11.857 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Tgt Ion: 59 Resp: 39147

Ion	Ratio	Lower	Upper
59	100		
52	2.3	0.2	0.2#



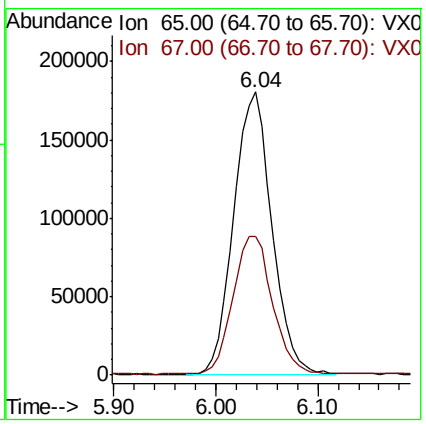


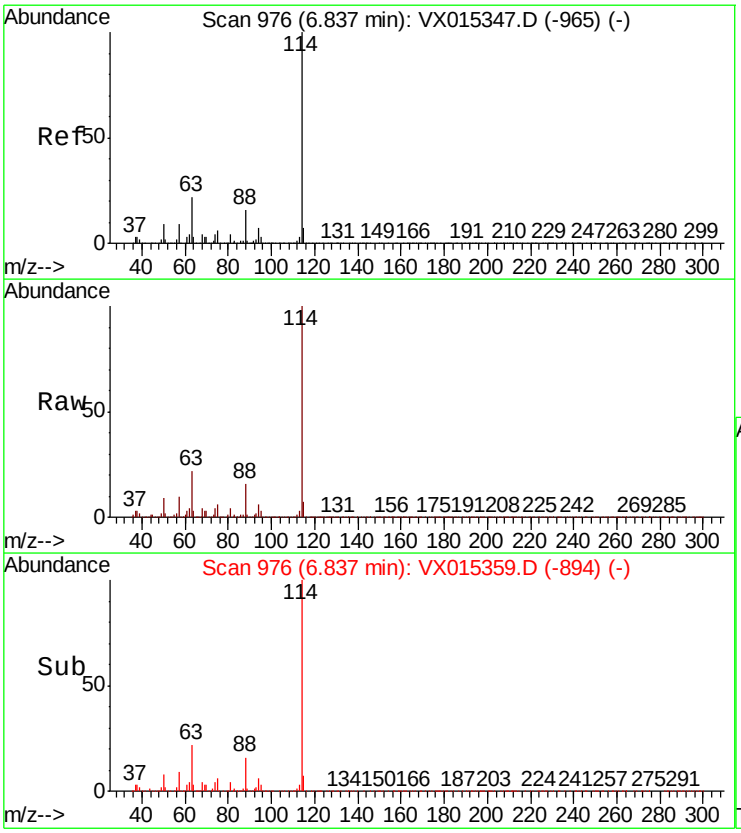
#27
1,2-Dichloroethane-d4
Concen: 30.512 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 65 Resp: 469164

Ion	Ratio	Lower	Upper
65	100		
67	50.0	40.9	61.3

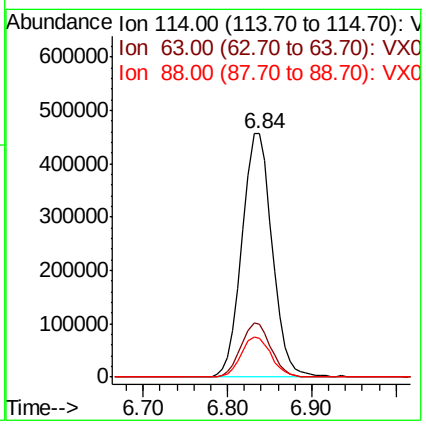


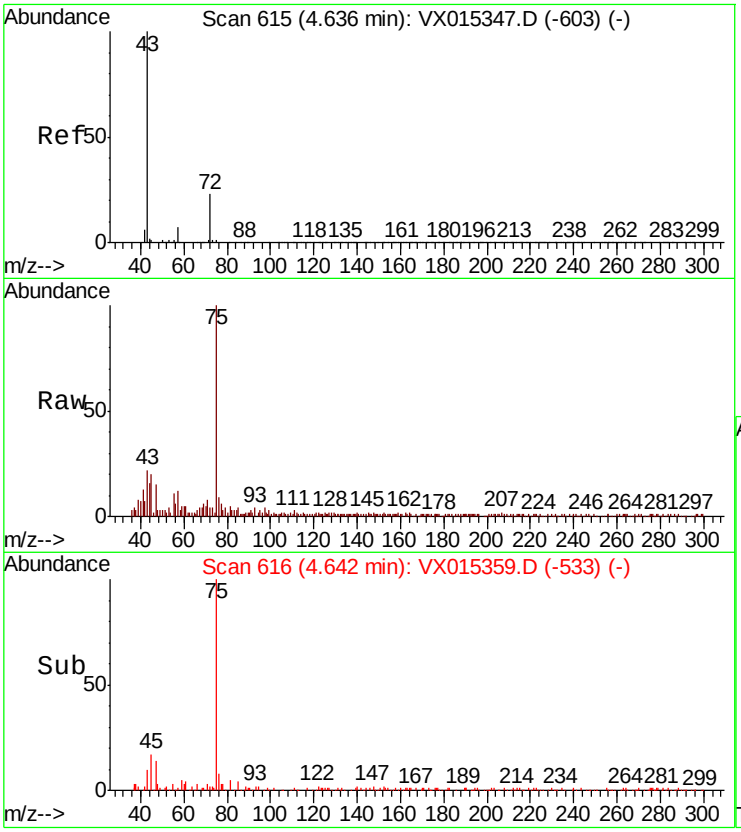


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.84 min Scan# 976
Delta R.T. -0.00 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Tgt Ion:114 Resp: 1105446

Ion	Ratio	Lower	Upper
114	100		
63	22.1	17.4	26.2
88	16.4	12.9	19.3



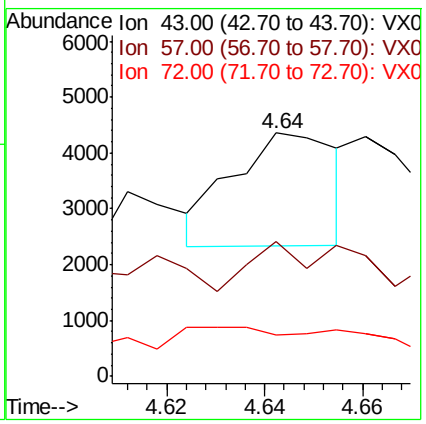


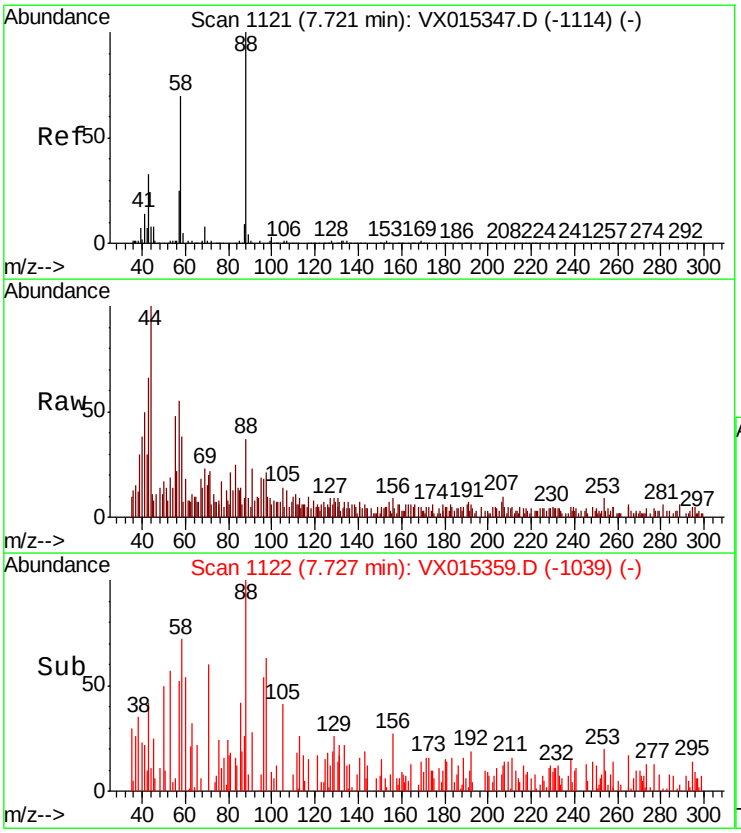
#30
2-Butanone
Concen: 0.302 ug/l
RT: 4.64 min Scan# 616
Delta R.T. 0.01 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 3009

Ion	Ratio	Lower	Upper
43	100		
57	22.0	5.9	8.9#
72	17.7	18.6	27.8#

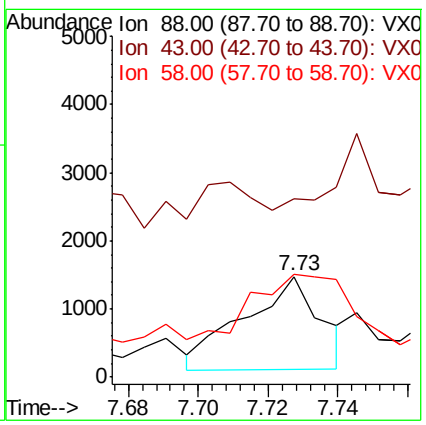


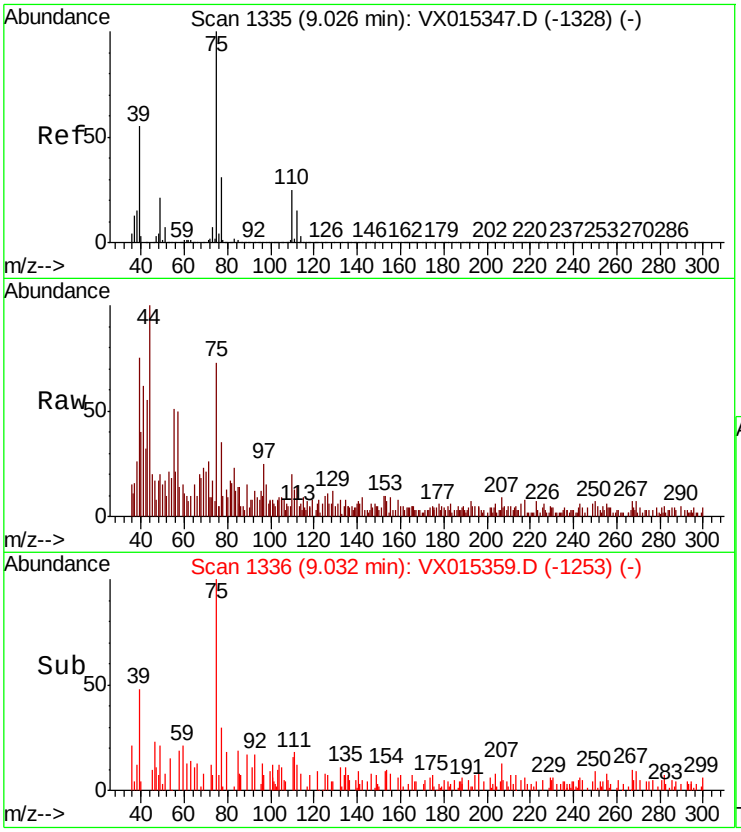


#45
1,4-Dioxane
Concen: 6.512 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Tgt Ion: 88 Resp: 2091

Ion	Ratio	Lower	Upper
88	100		
43	42.9	32.1	48.1
58	88.9	59.4	89.0



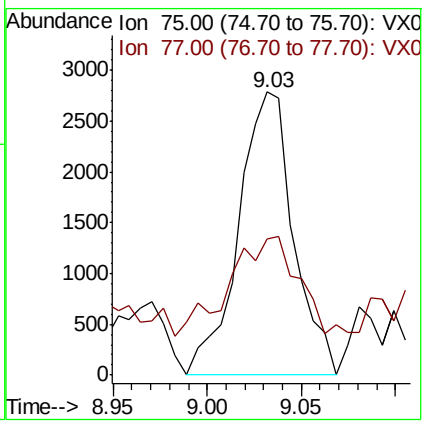


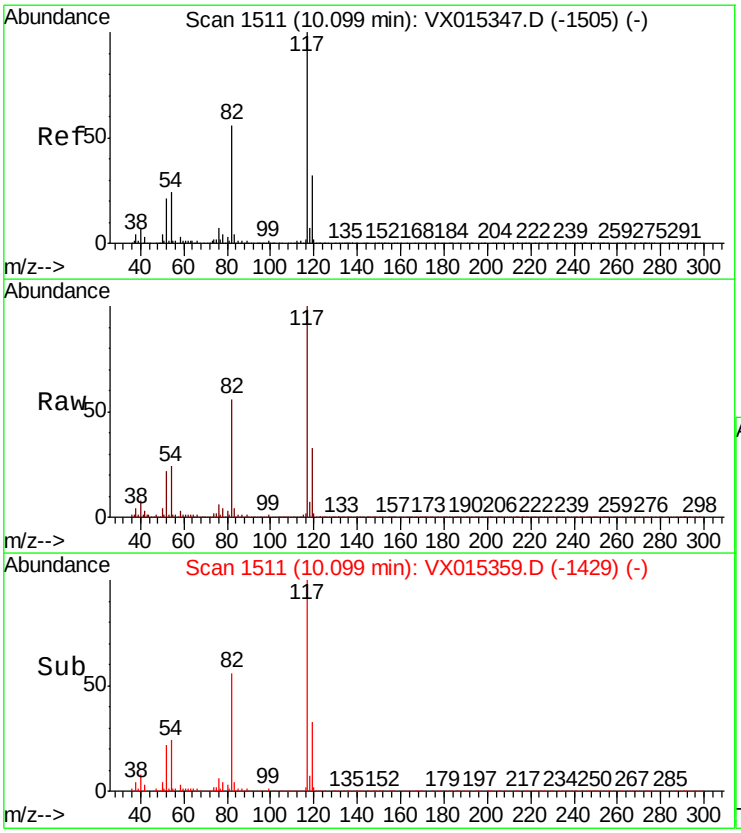
#48
t-1,3-Dichloropropene
Concen: 0.262 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 5622

Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.6	37.0

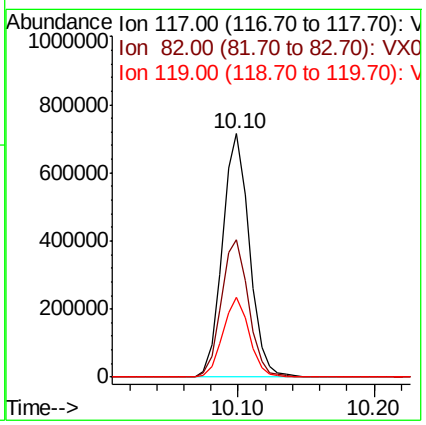


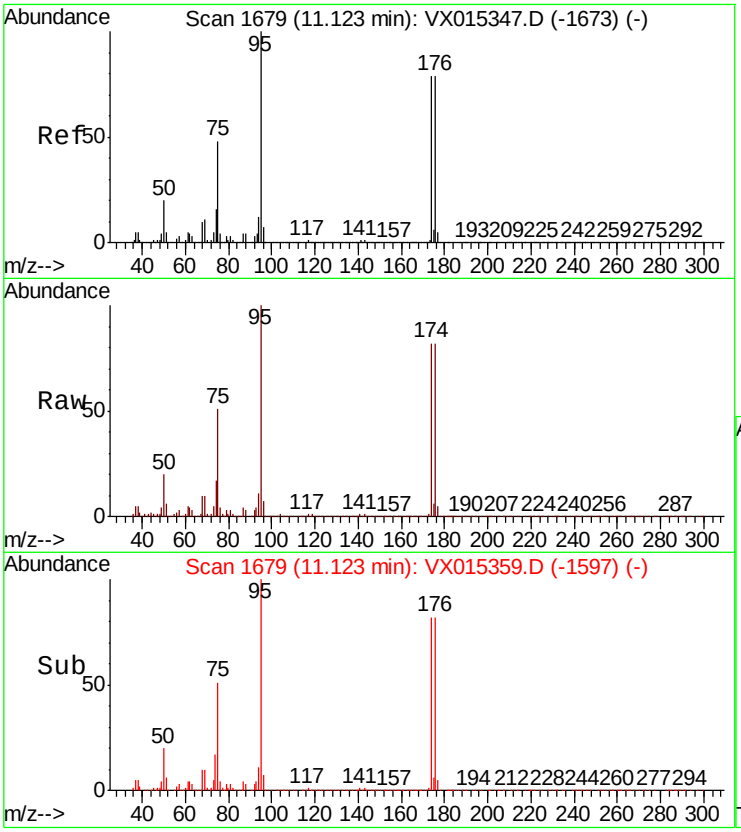


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Tgt Ion:117 Resp: 983120

Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.0	67.6
119	31.9	25.5	38.3



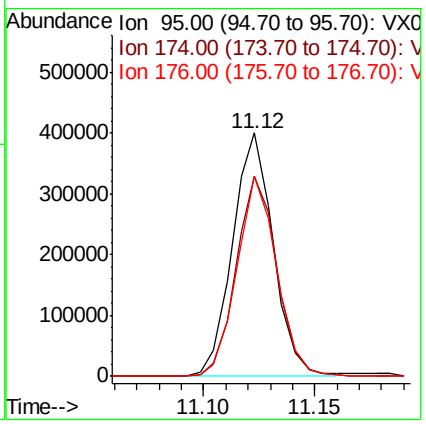


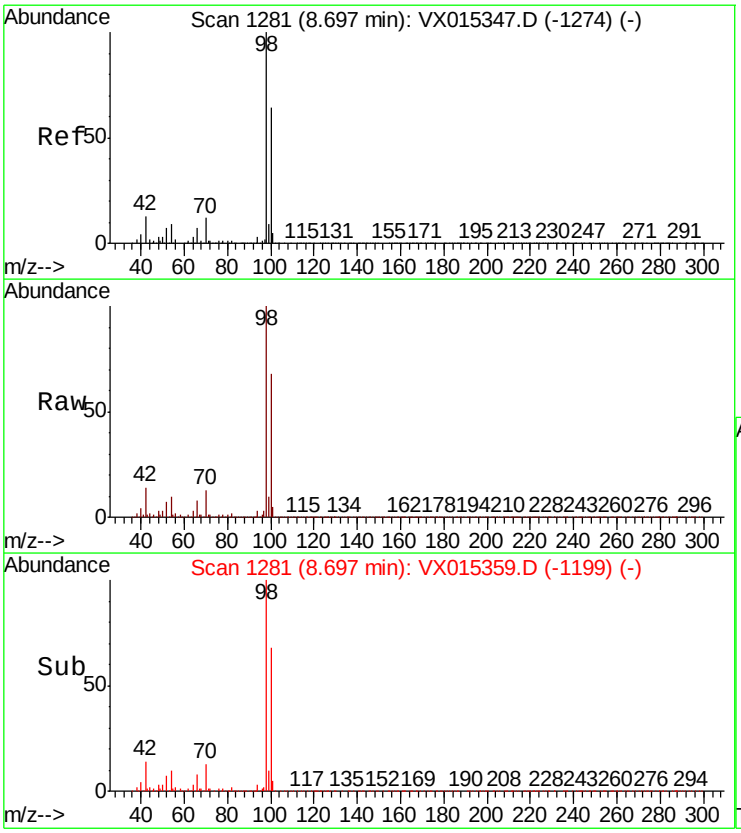
#60
4-Bromofluorobenzene
Concen: 30.190 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 95 Resp: 507947

Ion	Ratio	Lower	Upper
95	100		
174	82.8	66.4	99.6
176	80.6	64.1	96.1

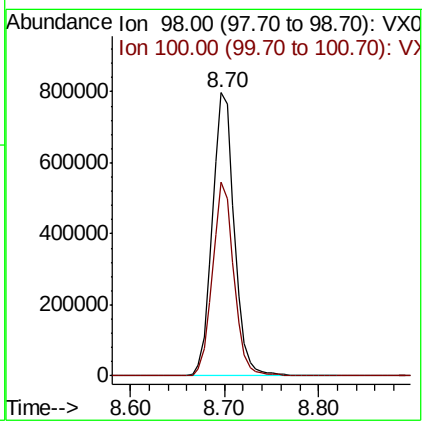


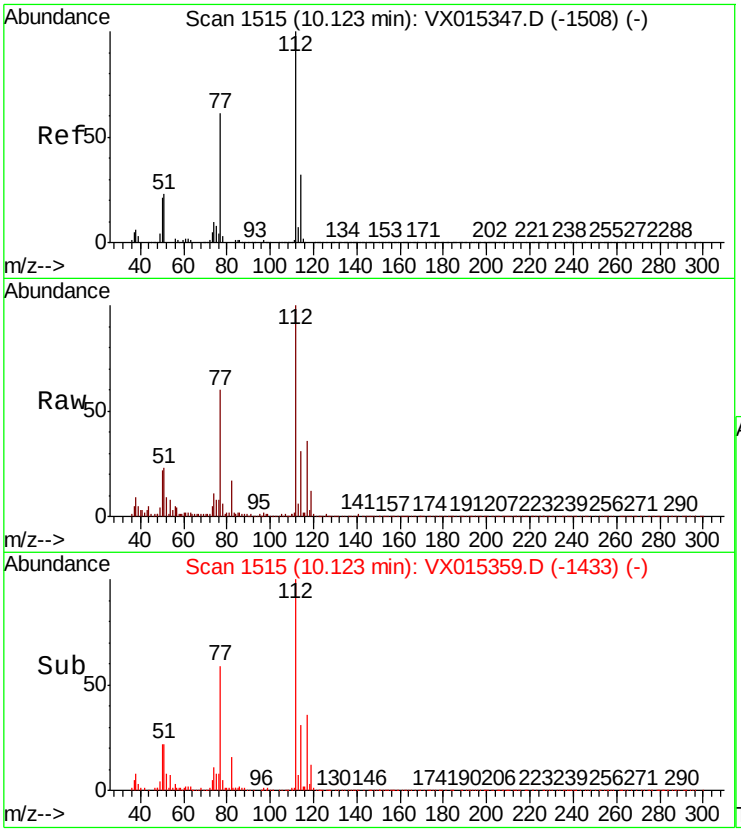


#63
Toluene-d8
Concen: 30.814 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Tgt Ion: 98 Resp: 1287068

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.2	78.2



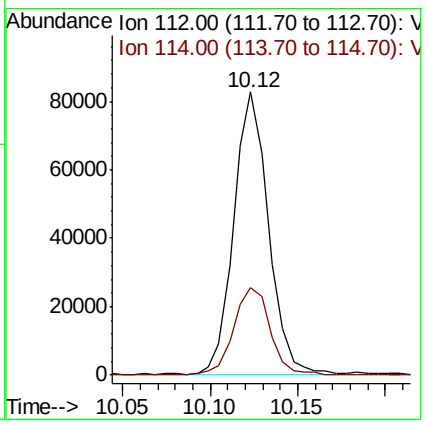


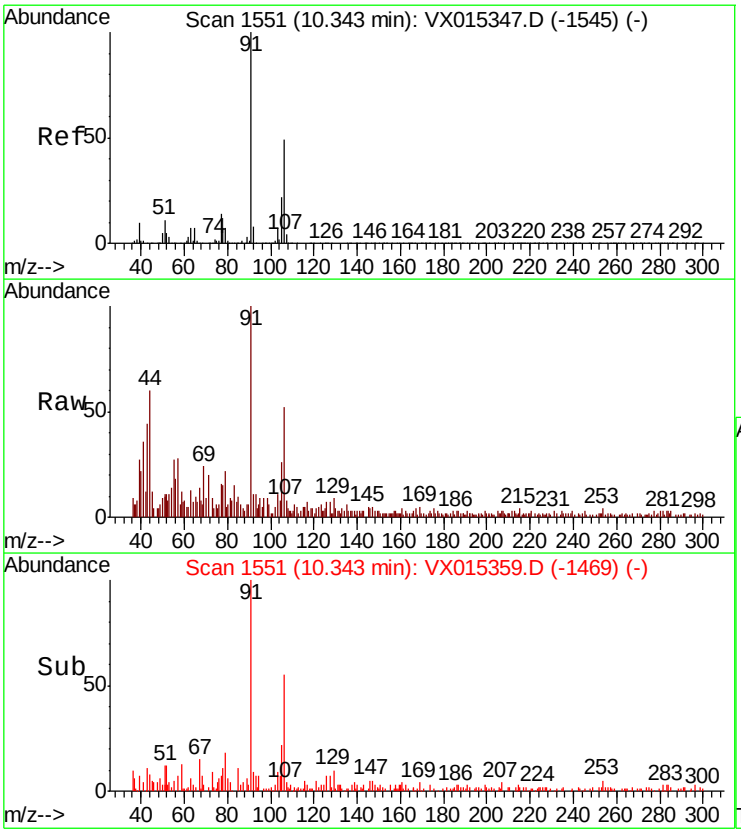
#64
Chlorobenzene
Concen: 3.584 ug/l
RT: 10.12 min Scan# 1515
Delta R.T. -0.00 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:112 Resp: 114741

Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.8	38.8

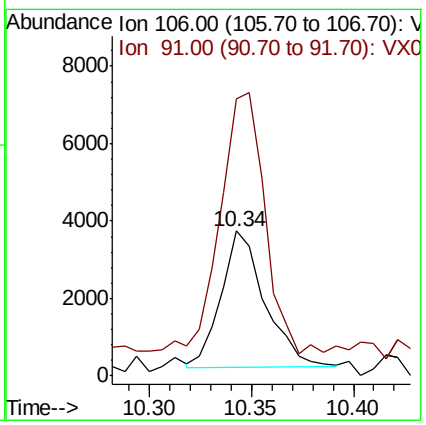


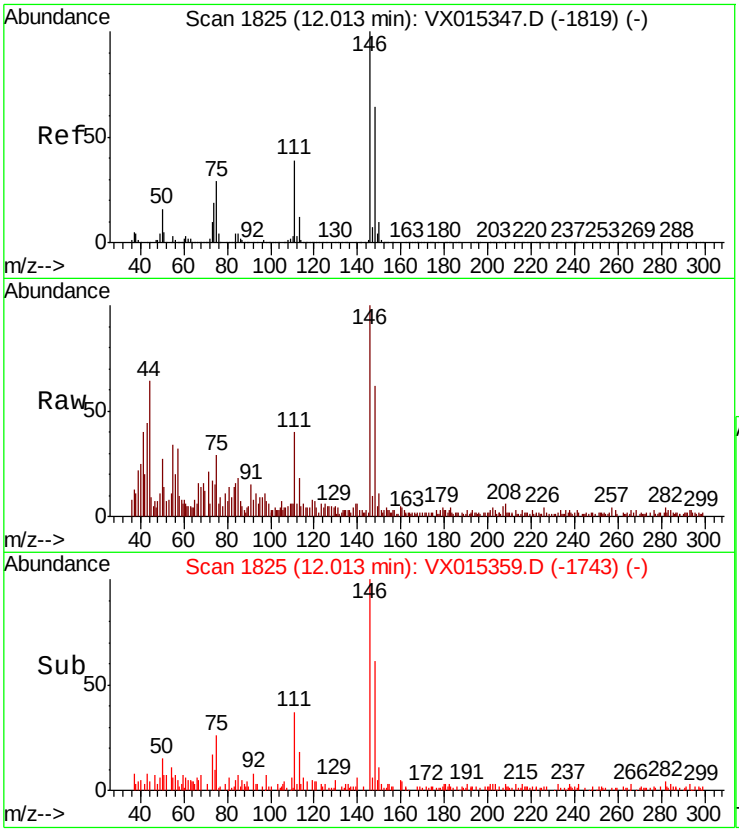


#67
m/p-Xylenes
Concen: 0.245 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Tgt Ion:106 Resp: 5268

Ion	Ratio	Lower	Upper
106	100		
91	194.4	165.0	247.4



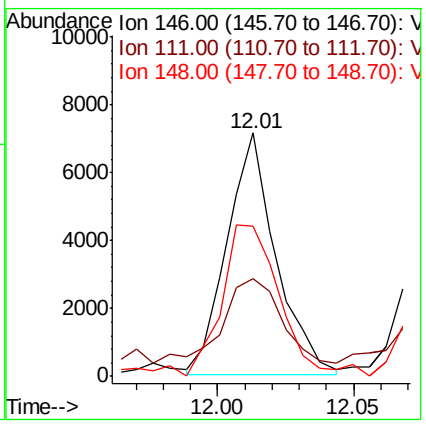


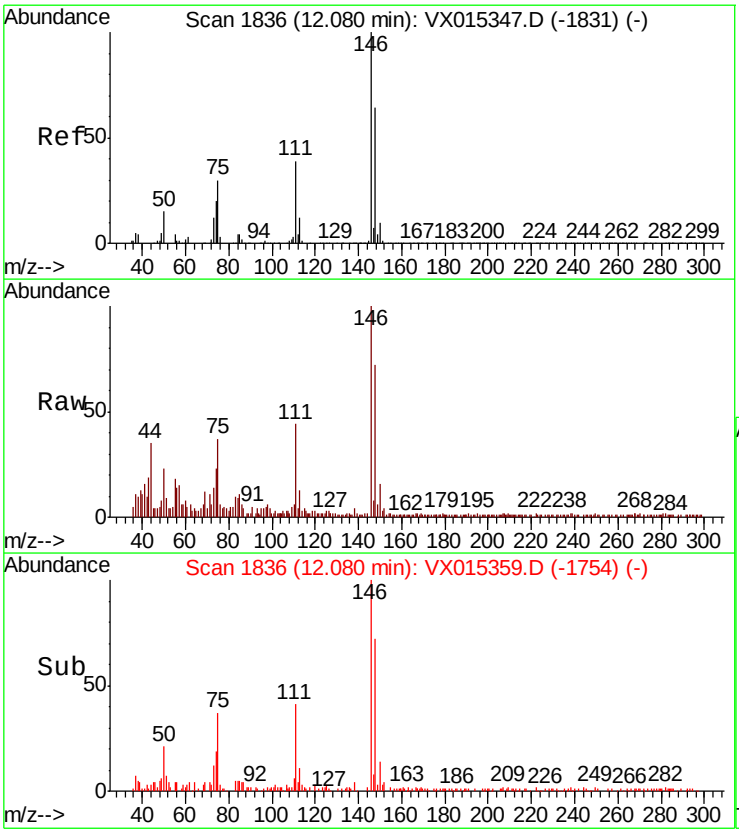
#83
1,3-Dichlorobenzene
Concen: 0.329 ug/l
RT: 12.01 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:146 Resp: 8851

Ion	Ratio	Lower	Upper
146	100		
111	44.2	20.1	60.2
148	72.8	31.4	94.2

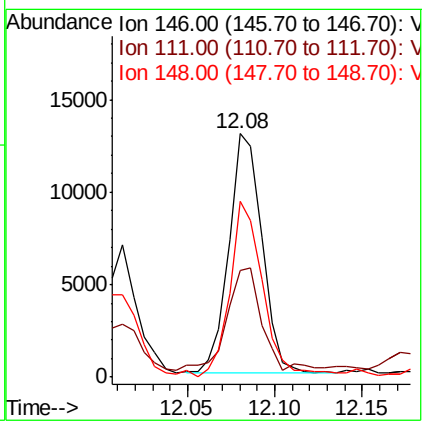


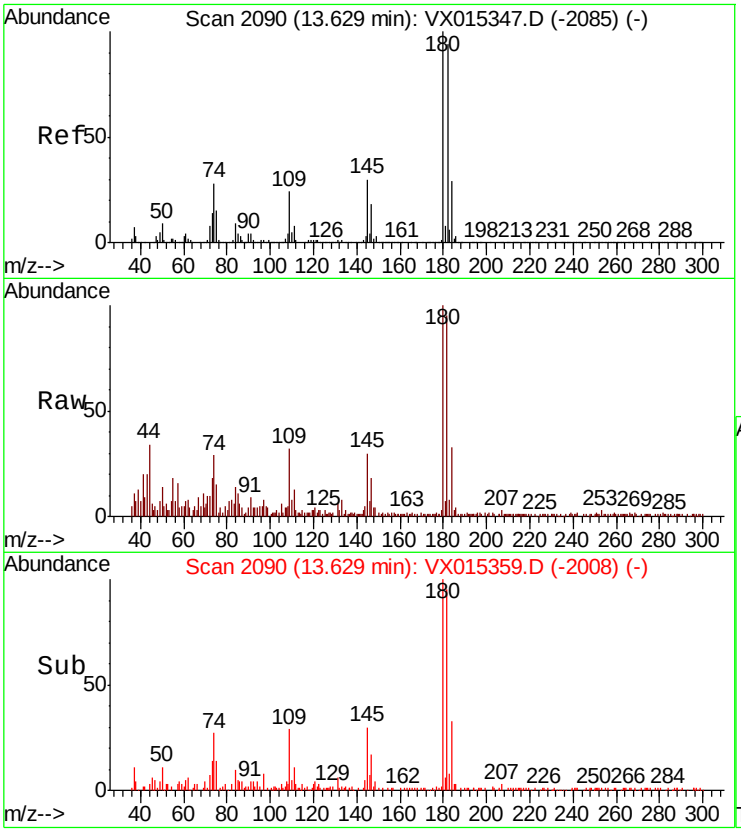


#84
1,4-Dichlorobenzene
Concen: 0.638 ug/l
RT: 12.08 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Tgt Ion:146 Resp: 17157

Ion	Ratio	Lower	Upper
146	100		
111	42.0	18.9	56.9
148	70.5	31.4	94.3



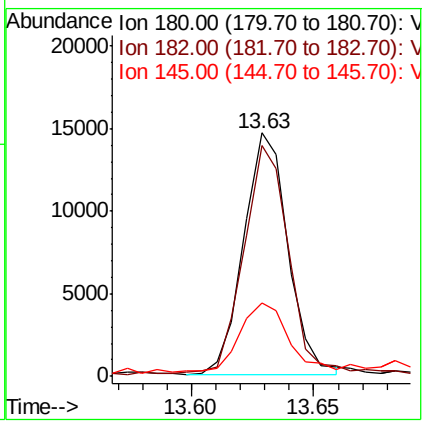


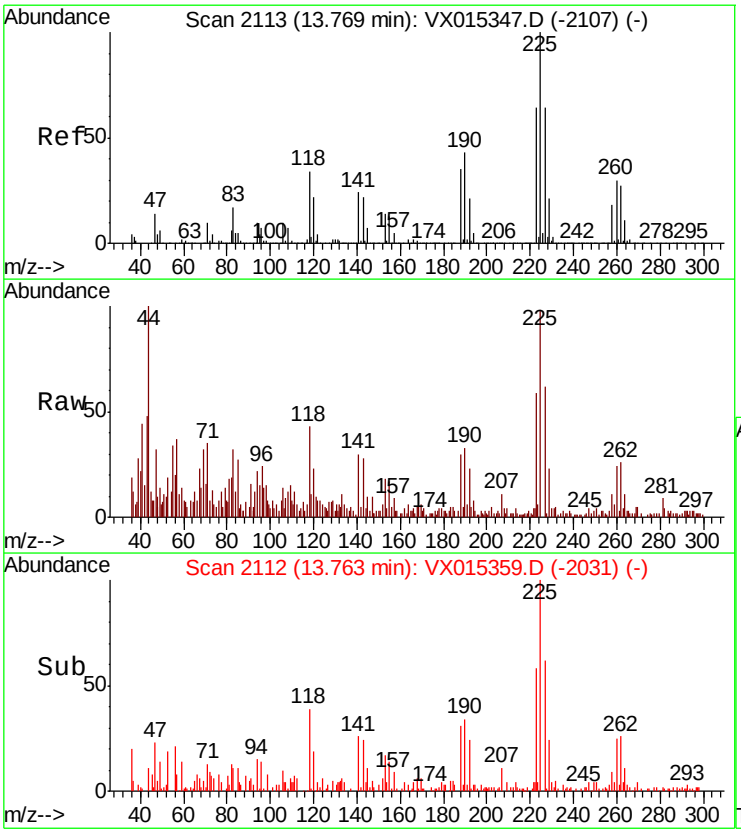
#89
1,2,4-Trichlorobenzene
Concen: 0.880 ug/l
RT: 13.63 min Scan# 2090
Delta R.T. -0.00 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:180 Resp: 18624

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
145	33.1	24.3	36.5

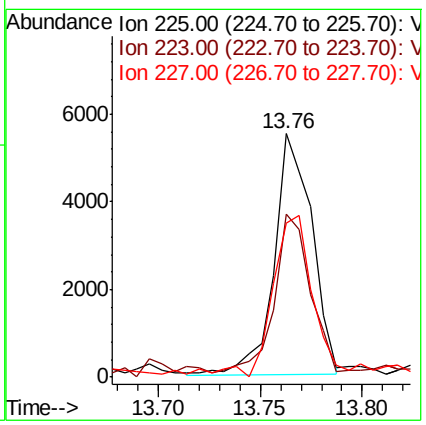


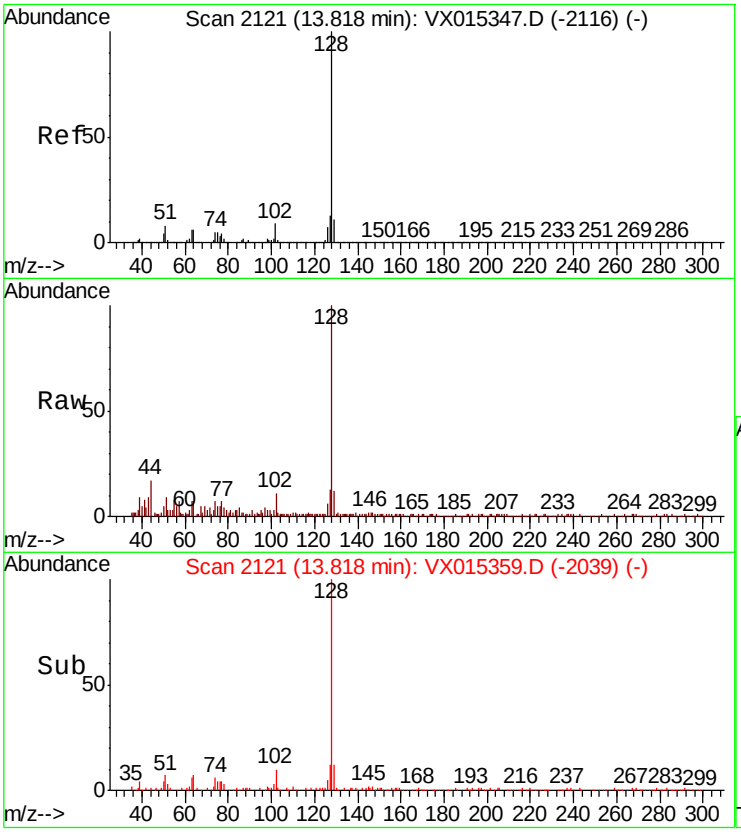


#90
Hexachlorobutadiene
Concen: 0.639 ug/l
RT: 13.76 min Scan# 2112
Delta R.T. -0.01 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Tgt Ion:225 Resp: 7120

Ion	Ratio	Lower	Upper
225	100		
223	63.1	0.0	127.0
227	68.6	0.0	126.8





#91
Naphthalene
Concen: 0.648 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. -0.00 min
Lab File: VX015359.D
Acq: 26 Mar 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 39720

Ion	Ratio	Lower	Upper
128	100		
127	15.9	10.3	15.5#
129	10.4	8.9	13.3